

CONTENT DELIVERY NETWORK (CDN) REPLICATION STATUS REPORTER

ABSTRACT OF THE DISCLOSURE

5 Conventional replication status reporting techniques in a Content Delivery
Network (CDN) tend to produce large, unwieldy reports which are difficult to transmit,
consume large amounts of bandwidth, and require a large share of CPU resources to
process. A replication status reporter which identifies an ordered list of events
corresponding to content items (files) for replication (pre-positioning) in a content
10 delivery network, and determines a point of progression along a sequence represented by
the ordered list of files, allows a management server to avoid computationally expensive
endeavors which itemize and transmit lists of every replicated file in the CDN. The
servers in a CDN channel receive files as a series of ordered events. Origin servers
deliver the files generally according the event. A replication status report indicates the
15 progression in the list, rather than enumerating the entire list, avoids cumbersome and
unnecessary processing and delays in reporting replication status.